

McGEE SURVEYING CONSULTING

5290 Overpass Road, Ste#107 - Santa Barbara, CA 93111
Telephone 805-964-3520 Email: michael@sbcoxmail.com

Date: June 8, 2015

Att: Pam Mitchell
Public Works Department
City of Rancho Palos Verdes
30940 Hawthorne Blvd.
Rancho Palos Verdes, CA 90275

RECEIVED
City of Rancho Palos Verdes

JUN 15 2015

PUBLIC WORKS DEPARTMENT

Subject: Request for Statement of Qualifications

In response to the City's Request for a Statement of Qualifications, Michael McGee, the principal of McGee Surveying Consulting, is a licensed surveyor and consultant and can provide professional surveying services for control networks, land slide monitoring, boundaries, easements, and other types of surveys to the City.

McGee Surveying Consulting has forty years experience in all aspects of surveying, holds a Bachelor of Science Degree in Surveying Engineering, and has extensive experience as an Expert Witness qualified in Superior and Federal District Courts. Mr. McGee has considerable field, office and project management experience in Geodetic Control Surveys, Highway and General Construction, Photogrammetric, Topographic, Hydrographic, Lidar, Utility and Land Development Surveys and is a specialist in applications of the Global Positioning System (GPS).

McGee Surveying Consulting has completed extensive GPS land slide monitoring, topographic and boundary surveys for the City of Rancho Palos Verdes. McGee Surveying Consulting has also provided GPS consulting for City of Los Angeles, City of Ventura, City of Stockton, City of Santa Barbara and presently for the City and County of San Francisco.

McGee Surveying Consulting is committed to quality control and quality assurance, and our services will meet or exceed project requirements and professional standards and be under the direct field and office supervision of the Michael McGee.

Sincerely,



Michael McGee, PLS3945



Attachment: Project Experience 2015.6, Resume-McGee 2014.2, Fee Schedule-2015b

MICHAEL R. MCGEE

MCGEE SURVEYING CONSULTING

QUALIFICATIONS

Michael R. McGee, PLS3945 is a licensed surveyor and consultant offering professional services to the general public and in a large part to other surveyors, engineers, attorneys and government agencies. He has forty years experience in all aspects of surveying as a licensed practitioner and a survey engineer. He holds a Bachelor of Science Degree in Surveying Engineering from California State University, Fresno.

Mr. McGee is a consultant in the practical application of the Global Positioning System (GPS), developer of the Triad Boundary Analysis software program and has presented seminars on various survey subjects. He has field and office project management experience in Geodetic Control, Highway & General Construction, Photogrammetric, Topographic, Hydrographic, Utility and Land Development Surveys. He has extensive Boundary Survey experience with an emphasis in the Public Land Survey System (sections and townships).

Mr. McGee, has qualified as an Expert Witness since 1972 and has testified in cases involving boundaries, accidents and felonies in Superior & Federal District Courts. He has served in the capacity of a Master at the request of the United States Attorney General's Office in San Diego. He has served as instructor and lecturer at CSU Fresno and Cal Poly San Luis Obispo and published numerous papers addressing legal and technical issues in the surveying profession. Mr. McGee served as 1985 State President of the California Land Surveyors Association, Chaired the State's Advanced Technologies Committee, co-founded the California Geodetic Control Committee predecessor to the California Spatial Reference Center (CSRC) and presently serves on the CSRC Coordinating Committee.

McGee Surveying Consulting is a fully equipped surveying firm established in 1977. Equipment inventory is state of the art including high production geodetic quality GNSS receivers for precise measurements. Client list and references provided on request.

CREDENTIALS

Professional Land Surveyor 1972, California License #3945

Professional Land Surveyor 1971, Oregon License #957.

B.S. Degree, Surveying Engineering 1990, CSU Fresno (summa cum laude)

Surveying Instructor at CSU Cal Poly, San Luis Obispo (1992)

State President 1985, California Land Surveyors Association (CLSA)

Past member of the state professional examination committee

Member of the California Spatial Reference Center Coordinating Council

CLSA Advanced Technologies Committee Member and Past Chair

Assistant Editor of the California Surveyor Professional Publication in 1992

Life Member: American Congress on Surveying & Mapping

Boundary Lecturer at CSU Fresno (1989-1990)

Published technical papers: "Role of the Boundary Surveyor in the Legal Aspects of Possession, Title and Ownership" and "Tidal Boundaries"

Lidar Mapping Presentation in 2003-2004 at the Spatial Reference Seminar at University of Riverside
OSHA 40 Hour Safety Certification in Hazardous Waste Operations.

GNSS (GPS) PROJECT LIST

DATE	CLIENT – PROJECT DESCRIPTION
2013-2015	City & County of San Francisco - Planned and managed the establishment of the City's High Precision Network and Densification of the High Precision Network utilizing GNSS technology; Planned and managed the establishment of the City's High Precision Leveling Network and Densification; Provided oversight and consulting on a multitude of City wide projects.
2012 – 2015	Rubicon – Commerce City - GPS control and leveling to establish horizontal coordinates and elevations on monitoring wells
2011	Dewberry/NOAA – California Coastline - GNSS Control Surveys of 927 miles of the California coast for QAQC of Lidar Mapping by others
2010	Dewberry/USGS - Channel Islands off California - Control Surveys of five islands off California coast utilizing helicopters for sole access
2010	Dewberry/ USGS & NOAA – San Francisco Bay - Control Surveys of the North & South San Francisco Bays for QAQC of Lidar Mapping
2009	Optimal Geomatics – Lidar QAQC of 400 miles of High Voltage Transmission Lines for Southern California Edison
2008	SPEC Services – LA Co. to Las Vegas - Train and oversee four GPS crews for 240 miles of aerial control of gas line corridor mapping
2007 - 2015	City of Rancho Palos Verdes – LA County - High accuracy GPS control of 70 points for monitoring slide movement over a three square mile area, accuracy of 10mm at 95%
2006 - 2007	Dewberry & Davis – Oahu, Kawai, Hawaii Islands - QAQC field surveys to validate Lidar data to meet FEMA standards including extending and establishing 300 miles of control across the south shores of the five major islands at a 5 centimeter vertical accuracy
2005	Dewberry & Davis - Maui & Lanai - QAQC field surveys to validate Lidar data to meet FEMA standards including extending and establishing control on Maui and Lanai at a 5 centimeter vertical accuracy
2004	RM Towil – Maui Hawaii - QAQC field surveys to validate Lidar data to meet FEMA standards including establishing a 5 centimeter vertical GPS network on the southwest side of the Island of Maui
2004 - 2006	RM Towil – Guam - QAQC field surveys to validate Lidar data to meet FEMA standards including establishing a 5 centimeter vertical GPS network on the central portion of the Island of Guam.
2005	HSW Florida –Hawaii -Establish First Order GPS Control Network with refined geoid model at the PTA on the Big Island, Hawaii to control lidar mapping and design including QAQC ground truthing.
1997 - 2014	City of Santa Barbara - Densification of First Order Control Network, subsidence monitoring, Height Mod GPS
2001	City of Stockton - Upgrading the existing City Network to 300 First Order Network and develop a refined geoid model to replace conventional leveling with GPS
2000	City of Eureka & HCSD - Establish a 400 point Control Network on NAD 83, 1998.50
1999	The Gas Company - Located and mapped 21 miles of gas line right-of-ways with RTK GPS methods, west of Bakersfield
1998	City of Oxnard - Established 81 new First Order Control Points on NAD 83, 1995.0 and NAVD 88
1994-2007	Boeing North America - Established and expanded Control Network for the Santa Suzana Field Laboratory above Simi Valley based based on WGS 84 and NAD 83 with NAVD 88 modeling
1997	City of Santa Monica – 1997: Established 130 First Order Control Points based on NAD83 And NAVD 88
1997-2007	China Lake Navel Weapons Center - Established base control for aerial mapping 2500 square miles on NAD 83, 1995.0 and NAVD 88 with Aerial Photomapping Services
1996	City of Los Angeles - Established 400 Control Points based on NAD 83, 1995.0 for conversion of the City's GIS from NAD 27 to NAD 83
1994-1998	City of Stockton - Established 105 First Order Control Network based on NAD 83, 1991.35.0 & NAVD 88 and located 100 miles of levees for hydrology studies with Siegfried Engineering
1993-1998	Culver City - Established 76 Point First Order Control Network for City Network based on NAD 83, 1991.35 & NGVD 29 with CBM Engineering; 1998 upgrade to 1995.00 Epoch and NAVD88 to 131 First Order stations.

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2015 FEE SCHEDULE

SERVICES

<u>OFFICE</u>	<u>HOURLY RATE</u>
Principal Surveyor/Engineer	\$ 170-212
Project Land Surveyor	\$ 148-170
Land Surveyor	\$ 116-148
Technician	\$ 74-116
Clerical	\$ 32-64

FIELD

One Person Survey Crew	\$ 128-212
Two Person Survey Crew	\$ 190-276

FORENSIC

Expert Witness Depositions (2 hour minimum)	\$ 410.00
Expert Witness Testimony (2 hour minimum)	\$ 410.00

EQUIPMENT

GNSS (GPS) Receivers: Leica Viva System GS15 \$ 190/day/unit

Electronic field equipment, computers, copies and miscellaneous field and office supplies and vehicle mileage are included in the above rates. Outside services are charged at cost +5%.